

Michael Schindler

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99
papers

4,887
citations

33
h-index

68
g-index

108
ext. papers

5,765
ext. citations

8.6
avg, IF

5.1
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 99 | Flow cytometry based-FRET: basics, novel developments and future perspectives.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 217 | 10.3 | 0 |
| 98 | COVID-19 patient serum less potently inhibits ACE2-RBD binding for various SARS-CoV-2 RBD mutants.. <i>Scientific Reports</i> , 2022 , 12, 7168 | 4.9 | 1 |
| 97 | Biparatopic nanobodies protect mice from lethal challenge with SARS-CoV-2 variants of concern.. <i>EMBO Reports</i> , 2021 , e53865 | 6.5 | 6 |
| 96 | Inactivation of SARS-CoV-2 through Treatment with the Mouth Rinsing Solutions ViruProX and BacterX Pro. <i>Microorganisms</i> , 2021 , 9, | 4.9 | 8 |
| 95 | NeutrobodyPlex-monitoring SARS-CoV-2 neutralizing immune responses using nanobodies. <i>EMBO Reports</i> , 2021 , 22, e52325 | 6.5 | 12 |
| 94 | Designing a SARS-CoV-2 T-Cell-Inducing Vaccine for High-Risk Patient Groups. <i>Vaccines</i> , 2021 , 9, | 5.3 | 5 |
| 93 | Quinine Inhibits Infection of Human Cell Lines with SARS-CoV-2. <i>Viruses</i> , 2021 , 13, | 6.2 | 12 |
| 92 | Immune response to SARS-CoV-2 variants of concern in vaccinated individuals. <i>Nature Communications</i> , 2021 , 12, 3109 | 17.4 | 57 |
| 91 | First results of investigations of SARS-CoV-2 RNA in human corneal tissue. <i>Ophthalmologe</i> , 2021 , 118, 78-80 | 1.6 | 2 |
| 90 | Antibody Response against SARS-CoV-2 and Seasonal Coronaviruses in Nonhospitalized COVID-19 Patients. <i>MSphere</i> , 2021 , 6, | 5 | 13 |
| 89 | Structure-guided multivalent nanobodies block SARS-CoV-2 infection and suppress mutational escape. <i>Science</i> , 2021 , 371, | 33.3 | 149 |
| 88 | Comprehensive Analysis of Human Cytomegalovirus- and HIV-Mediated Plasma Membrane Remodeling in Macrophages. <i>MBio</i> , 2021 , 12, e0177021 | 7.8 | 1 |
| 87 | Lectin from (WGA) Inhibits Infection with SARS-CoV-2 and Its Variants of Concern Alpha and Beta. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 3 |
| 86 | HCV egress - unconventional secretion of assembled viral particles. <i>Trends in Microbiology</i> , 2021 , | 12.4 | 1 |
| 85 | Iota-Carrageenan Inhibits Replication of SARS-CoV-2 and the Respective Variants of Concern Alpha, Beta, Gamma and Delta.. <i>International Journal of Molecular Sciences</i> , 2021 , 22, | 6.3 | 3 |
| 84 | Persisting Neutralizing Activity to SARS-CoV-2 over Months in Sera of COVID-19 Patients. <i>Viruses</i> , 2020 , 12, | 6.2 | 11 |
| 83 | The human Edefensin-derived peptide HD5(1-9) inhibits cellular attachment and entry of human cytomegalovirus. <i>Antiviral Research</i> , 2020 , 177, 104779 | 10.8 | 4 |

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| 82 | Platelets Aggregate With Neutrophils and Promote Skin Pathology in Psoriasis. <i>Frontiers in Immunology</i> , 2019 , 10, 1867 | 8.4 | 12 |
| 81 | A viral kinase counteracts in vivo restriction of murine cytomegalovirus by SAMHD1. <i>Nature Microbiology</i> , 2019 , 4, 2273-2284 | 26.6 | 16 |
| 80 | Human cytomegalovirus overcomes SAMHD1 restriction in macrophages via pUL97. <i>Nature Microbiology</i> , 2019 , 4, 2260-2272 | 26.6 | 21 |
| 79 | Analysis of IFITM-IFITM Interactions by a Flow Cytometry-Based FRET Assay. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 9 |
| 78 | Flow cytometry-based FRET identifies binding intensities in PPAR α protein-protein interactions in living cells. <i>Theranostics</i> , 2019 , 9, 5444-5463 | 12.1 | 3 |
| 77 | Release of Immunomodulatory Ebola Virus Glycoprotein-Containing Microvesicles Is Suppressed by Tetherin in a Species-Specific Manner. <i>Cell Reports</i> , 2019 , 26, 1841-1853.e6 | 10.6 | 7 |
| 76 | Tetherin Inhibits Nipah Virus but Not Ebola Virus Replication in Fruit Bat Cells. <i>Journal of Virology</i> , 2019 , 93, | 6.6 | 14 |
| 75 | A GXXXA Motif in the Transmembrane Domain of the Ebola Virus Glycoprotein Is Required for Tetherin Antagonism. <i>Journal of Virology</i> , 2018 , 92, | 6.6 | 10 |
| 74 | Domains of the Hepatitis B Virus Small Surface Protein S Mediating Oligomerization. <i>Journal of Virology</i> , 2018 , 92, | 6.6 | 14 |
| 73 | ESCRT machinery components are required for Orthobunyavirus particle production in Golgi compartments. <i>PLoS Pathogens</i> , 2018 , 14, e1007047 | 7.6 | 11 |
| 72 | Activated integrins identify functional antigen-specific CD8 T cells within minutes after antigen stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5536-E5545 | 11.5 | 15 |
| 71 | T cells with low CD2 levels express reduced restriction factors and are preferentially infected in therapy naïve chronic HIV-1 patients. <i>Journal of the International AIDS Society</i> , 2017 , 20, 21865 | 5.4 | 7 |
| 70 | Dual role of the chromatin-binding factor PHF13 in the pre- and post-integration phases of HIV-1 replication. <i>Open Biology</i> , 2017 , 7, | 7 | 8 |
| 69 | Supramolecular combinations of humic polyanions as potent microbicides with polymodal anti-HIV-activities. <i>New Journal of Chemistry</i> , 2017 , 41, 212-224 | 3.6 | 10 |
| 68 | Virion encapsidated HIV-1 Vpr induces NFAT to prime non-activated T cells for productive infection. <i>Open Biology</i> , 2016 , 6, | 7 | 13 |
| 67 | Hepatitis C Virus Is Released via a Noncanonical Secretory Route. <i>Journal of Virology</i> , 2016 , 90, 10558-10573 | 6.3 | 26 |
| 66 | The Tetherin Antagonism of the Ebola Virus Glycoprotein Requires an Intact Receptor-Binding Domain and Can Be Blocked by GP1-Specific Antibodies. <i>Journal of Virology</i> , 2016 , 90, 11075-11086 | 6.6 | 17 |
| 65 | Potent in vitro antiviral activity of <i>Cistus incanus</i> extract against HIV and Filoviruses targets viral envelope proteins. <i>Scientific Reports</i> , 2016 , 6, 20394 | 4.9 | 40 |

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|----|---|------|-----|
| 64 | A novel pVHL-independent but NEMO-driven pathway in renal cancer promotes HIF stabilization. <i>Oncogene</i> , 2016 , 35, 3125-38 | 9.2 | 8 |
| 63 | Tetherin Sensitivity of Influenza A Viruses Is Strain Specific: Role of Hemagglutinin and Neuraminidase. <i>Journal of Virology</i> , 2015 , 89, 9178-88 | 6.6 | 24 |
| 62 | HIV-1 Nef and Vpu Interfere with L-Selectin (CD62L) Cell Surface Expression To Inhibit Adhesion and Signaling in Infected CD4+ T Lymphocytes. <i>Journal of Virology</i> , 2015 , 89, 5687-700 | 6.6 | 30 |
| 61 | Cell Surface Proteomic Map of HIV Infection Reveals Antagonism of Amino Acid Metabolism by Vpu and Nef. <i>Cell Host and Microbe</i> , 2015 , 18, 409-23 | 23.4 | 118 |
| 60 | AP-2 Is the Crucial Clathrin Adaptor Protein for CD4 Downmodulation by HIV-1 Nef in Infected Primary CD4+ T Cells. <i>Journal of Virology</i> , 2015 , 89, 12518-24 | 6.6 | 14 |
| 59 | A Combined Omics Approach to Generate the Surface Atlas of Human Naive CD4+ T Cells during Early T-Cell Receptor Activation. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 2085-102 | 7.6 | 22 |
| 58 | Vpu is the main determinant for tetraspanin downregulation in HIV-1-infected cells. <i>Journal of Virology</i> , 2015 , 89, 3247-55 | 6.6 | 29 |
| 57 | Specific and nonhepatotoxic degradation of nuclear hepatitis B virus cccDNA. <i>Science</i> , 2014 , 343, 1221-833.3 | 619 | |
| 56 | HIV-1 Vpu mediated downregulation of CD155 requires alanine residues 10, 14 and 18 of the transmembrane domain. <i>Virology</i> , 2014 , 464-465, 375-384 | 3.6 | 28 |
| 55 | The intraviral protein interaction network of hepatitis C virus. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 1676-89 | 7.6 | 30 |
| 54 | Analysis of determinants in filovirus glycoproteins required for tetherin antagonism. <i>Viruses</i> , 2014 , 6, 1654-71 | 6.2 | 20 |
| 53 | Lentiviral Nef suppresses iron uptake in a strain specific manner through inhibition of Transferrin endocytosis. <i>Retrovirology</i> , 2014 , 11, 1 | 3.6 | 25 |
| 52 | The root extract of the medicinal plant <i>Pelargonium sidoides</i> is a potent HIV-1 attachment inhibitor. <i>PLoS ONE</i> , 2014 , 9, e87487 | 3.7 | 53 |
| 51 | HIV-1 replication in human immune cells is independent of TAR DNA binding protein 43 (TDP-43) expression. <i>PLoS ONE</i> , 2014 , 9, e105478 | 3.7 | 11 |
| 50 | Nef variants from non-pathogenic lentiviral strains inhibit iron uptake through an AP2-dependent inhibition of transferrin endocytosis. <i>Retrovirology</i> , 2013 , 10, | 3.6 | 78 |
| 49 | Primate lentiviral Nef proteins deregulate T-cell development by multiple mechanisms. <i>Retrovirology</i> , 2013 , 10, 137 | 3.6 | 4 |
| 48 | HIV-1 Vpu affects the anterograde transport and the glycosylation pattern of NTB-A. <i>Virology</i> , 2013 , 440, 190-203 | 3.6 | 25 |
| 47 | Dynamics of HIV-containing compartments in macrophages reveal sequestration of virions and transient surface connections. <i>PLoS ONE</i> , 2013 , 8, e69450 | 3.7 | 38 |

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|----|--|------|-----|
| 46 | Macrophage internal HIV-1 is protected from neutralizing antibodies. <i>Journal of Virology</i> , 2012 , 86, 2826-2836 | 6.4 | 64 |
| 45 | HIV-mediated up-regulation of invariant chain (CD74) correlates with generalized immune activation in HIV+ subjects. <i>Virus Research</i> , 2012 , 163, 380-4 | 6.4 | 8 |
| 44 | Macrophages and their relevance in Human Immunodeficiency Virus Type I infection. <i>Retrovirology</i> , 2012 , 9, 82 | 3.6 | 166 |
| 43 | Formation of trans-activation competent HIV-1 Rev:RRE complexes requires the recruitment of multiple protein activation domains. <i>PLoS ONE</i> , 2012 , 7, e38305 | 3.7 | 19 |
| 42 | Critical role for the kinesin KIF3A in the HIV life cycle in primary human macrophages. <i>Journal of Cell Biology</i> , 2012 , 199, 467-79 | 7.3 | 34 |
| 41 | Down-modulation of CD8 α s a fundamental activity of primate lentiviral Nef proteins. <i>Journal of Virology</i> , 2012 , 86, 36-48 | 6.6 | 15 |
| 40 | No detection of XMRV in blood samples and tissue sections from prostate cancer patients in Northern Europe. <i>PLoS ONE</i> , 2011 , 6, e25592 | 3.7 | 17 |
| 39 | Ion channel activity of HIV-1 Vpu is dispensable for counteraction of CD317. <i>Virology</i> , 2011 , 416, 75-85 | 3.6 | 35 |
| 38 | Mutation of a diacidic motif in SIV-PBj Nef impairs T-cell activation and enteropathic disease. <i>Retrovirology</i> , 2011 , 8, 14 | 3.6 | 1 |
| 37 | The Ebola virus glycoprotein and HIV-1 Vpu employ different strategies to counteract the antiviral factor tetherin. <i>Journal of Infectious Diseases</i> , 2011 , 204 Suppl 3, S850-60 | 7 | 56 |
| 36 | The presence of a vpu gene and the lack of Nef-mediated downmodulation of T cell receptor-CD3 are not always linked in primate lentiviruses. <i>Journal of Virology</i> , 2011 , 85, 742-52 | 6.6 | 25 |
| 35 | A flow cytometry-based FRET assay to identify and analyse protein-protein interactions in living cells. <i>PLoS ONE</i> , 2010 , 5, e9344 | 3.7 | 113 |
| 34 | HIV-1 assembly in macrophages. <i>Retrovirology</i> , 2010 , 7, 29 | 3.6 | 60 |
| 33 | Vpu serine 52 dependent counteraction of tetherin is required for HIV-1 replication in macrophages, but not in ex vivo human lymphoid tissue. <i>Retrovirology</i> , 2010 , 7, 1 | 3.6 | 70 |
| 32 | Inhibition of T-cell receptor-induced actin remodeling and relocalization of Lck are evolutionarily conserved activities of lentiviral Nef proteins. <i>Journal of Virology</i> , 2009 , 83, 11528-39 | 6.6 | 38 |
| 31 | Single Nef proteins from HIV type 1 subtypes C and F fail to upregulate invariant chain cell surface expression but are active for other functions. <i>AIDS Research and Human Retroviruses</i> , 2009 , 25, 285-96 | 1.6 | 12 |
| 30 | Tetherin-driven adaptation of Vpu and Nef function and the evolution of pandemic and nonpandemic HIV-1 strains. <i>Cell Host and Microbe</i> , 2009 , 6, 409-21 | 23.4 | 339 |
| 29 | Conservation of Nef function across highly diverse lineages of SIVsmm. <i>Retrovirology</i> , 2009 , 6, 36 | 3.6 | 11 |

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| 28 | Selective downmodulation of HLA-A and -B by Nef alleles from different groups of primate lentiviruses. <i>Virology</i> , 2008 , 373, 229-37 | 3.6 | 37 |
| 27 | Inefficient Nef-mediated downmodulation of CD3 and MHC-I correlates with loss of CD4+T cells in natural SIV infection. <i>PLoS Pathogens</i> , 2008 , 4, e1000107 | 7.6 | 47 |
| 26 | Human immunodeficiency virus type 1 nef expression prevents AP-2-mediated internalization of the major histocompatibility complex class II-associated invariant chain. <i>Journal of Virology</i> , 2008 , 82, 8373-82 | 6.6 | 18 |
| 25 | Role of Nef in primate lentiviral immunopathogenesis. <i>Cellular and Molecular Life Sciences</i> , 2008 , 65, 2621-36 | 10.3 | 99 |
| 24 | Primary human immunodeficiency virus type 1 nef alleles show major differences in pathogenicity in transgenic mice. <i>Journal of Virology</i> , 2007 , 81, 4677-93 | 6.6 | 17 |
| 23 | Nef alleles from children with non-progressive HIV-1 infection modulate MHC-II expression more efficiently than those from rapid progressors. <i>Aids</i> , 2007 , 21, 1103-7 | 3.5 | 23 |
| 22 | Nef-mediated enhancement of virion infectivity and stimulation of viral replication are fundamental properties of primate lentiviruses. <i>Journal of Virology</i> , 2007 , 81, 13852-64 | 6.6 | 88 |
| 21 | Association of Nef with p21-activated kinase 2 is dispensable for efficient human immunodeficiency virus type 1 replication and cytopathicity in ex vivo-infected human lymphoid tissue. <i>Journal of Virology</i> , 2007 , 81, 13005-14 | 6.6 | 32 |
| 20 | Discovery and optimization of a natural HIV-1 entry inhibitor targeting the gp41 fusion peptide. <i>Cell</i> , 2007 , 129, 263-75 | 56.2 | 206 |
| 19 | Semen-derived amyloid fibrils drastically enhance HIV infection. <i>Cell</i> , 2007 , 131, 1059-71 | 56.2 | 424 |
| 18 | Contribution of Vpu, Env, and Nef to CD4 down-modulation and resistance of human immunodeficiency virus type 1-infected T cells to superinfection. <i>Journal of Virology</i> , 2006 , 80, 8047-59 | 6.6 | 150 |
| 17 | Importance of the N-distal AP-2 binding element in Nef for simian immunodeficiency virus replication and pathogenicity in rhesus macaques. <i>Journal of Virology</i> , 2006 , 80, 4469-81 | 6.6 | 21 |
| 16 | Nef-mediated suppression of T cell activation was lost in a lentiviral lineage that gave rise to HIV-1. <i>Cell</i> , 2006 , 125, 1055-67 | 56.2 | 318 |
| 15 | Effect of R77Q, R77A and R80A changes in Vpr on HIV-1 replication and CD4 T cell depletion in human lymphoid tissue ex vivo. <i>Aids</i> , 2006 , 20, 831-6 | 3.5 | 27 |
| 14 | Primary sooty mangabey simian immunodeficiency virus and human immunodeficiency virus type 2 nef alleles modulate cell surface expression of various human receptors and enhance viral infectivity and replication. <i>Journal of Virology</i> , 2005 , 79, 10547-60 | 6.6 | 38 |
| 13 | Human immunodeficiency virus type 1 inhibits DNA damage-triggered apoptosis by a Nef-independent mechanism. <i>Journal of Virology</i> , 2005 , 79, 5489-98 | 6.6 | 60 |
| 12 | Nef induces multiple genes involved in cholesterol synthesis and uptake in human immunodeficiency virus type 1-infected T cells. <i>Journal of Virology</i> , 2005 , 79, 10053-8 | 6.6 | 79 |
| 11 | Nef proteins from diverse groups of primate lentiviruses downmodulate CXCR4 to inhibit migration to the chemokine stromal derived factor 1. <i>Journal of Virology</i> , 2005 , 79, 10650-9 | 6.6 | 53 |

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|----|---|-----|-----|
| 10 | Nef proteins from simian immunodeficiency virus-infected chimpanzees interact with p21-activated kinase 2 and modulate cell surface expression of various human receptors. <i>Journal of Virology</i> , 2004 , 78, 6864-74 | 6.6 | 42 |
| 9 | Comprehensive analysis of nef functions selected in simian immunodeficiency virus-infected macaques. <i>Journal of Virology</i> , 2004 , 78, 10588-97 | 6.6 | 27 |
| 8 | Enhanced CD4 down-modulation by late stage HIV-1 nef alleles is associated with increased Env incorporation and viral replication. <i>Journal of Biological Chemistry</i> , 2003 , 278, 33912-9 | 5.4 | 68 |
| 7 | Alterations in HIV-1 LTR promoter activity during AIDS progression. <i>Virology</i> , 2003 , 317, 109-18 | 3.6 | 18 |
| 6 | Down-modulation of mature major histocompatibility complex class II and up-regulation of invariant chain cell surface expression are well-conserved functions of human and simian immunodeficiency virus nef alleles. <i>Journal of Virology</i> , 2003 , 77, 10548-56 | 6.6 | 141 |
| 5 | Mosses share mitochondrial group II introns with flowering plants, not with liverworts. <i>Molecular Genetics and Genomics</i> , 2001 , 266, 608-13 | 3.1 | 29 |
| 4 | Designing a therapeutic SARS-CoV-2 T-cell-inducing vaccine for high-risk patient groups | | 3 |
| 3 | A throughput serological Western blot system using whole virus lysate for the concomitant detection of antibodies against SARS-CoV-2 and human endemic Coronaviridae | | 1 |
| 2 | Rapid, dose-dependent and efficient inactivation of surface dried SARS-CoV-2 by 254 nm UV-C irradiation | | 2 |
| 1 | Immune response to SARS-CoV-2 variants of concern in vaccinated individuals | | 2 |